USER MANUAL

CREATE MORE XITEMENT

DMS 7640

DESIGN MINI SYSTEM

Dear customer!

First of all thank you very much, that you have decided for the

cmx® DMS 7640!

Please read all information’s carefully before you start running the cmx® DMS 7640.

Our company reserves the right to improve the product. That changes to specifications and design, also without notice.

If you have problems, please visit our website at

www.cmx-electronics.com

and select your device.

Under the point "Support" you find the most frequently asked questions about your device - if not, please use the contact form.

If you provide variations of your product, please visit our website.

Index of contents

1. SAFETY INFORMATIONS 5

2. FIXING FROM THE STAND FOR THE MAIN UNIT 6

3. QUICK START 7

3.1. CONNECTING 7
3.2. LISTEN TO CD-PLAYER 7
3.3. LISTEN TO RADIO 8

4. LOCATION OF CONTROLS 9

4.1. FRONT SIDE 9
4.2. REAR SIDE 10
4.3. REMOTE CONTROL 11
4.4. ELECTRONIC VOLUME CONTROL 12

5. INCLUDED IN DELIVERY 13

6. CONNECTIONS 14

6.1. POWER SUPPLY 14
6.2. AUX INPUT (AUDIO LINE IN) 14
6.3. HEADPHONE 15
6.4. USB INPUT 15
6.5. SUBWOOFER OUTPUT (EXTERNAL POWERED SUBWOOFER) 16

7. CD PLAYER 17

7.1. INSERT AND REMOVAL OF DISCS 17
7.2. CD AND MP3-CD OPERATION 17
7.3. FINDING (SEARCHING) SONGS 18
7.4. FOLDERS ON MP3-CD 19
7.5. CD REPEAT 20
7.6. MUSIC EQUALIZER 20
7.7. PROGRAMMING 20
7.7.1. Programming for regular AUDIO-CD discs 21
7.7.2. Programming for MP3-CD discs 21
7.8. DISPLAY MODE (ID3 TAG) 22

8. RADIO 23

8.1. RADIO MEMORY 23
8.2. MANUAL FREQUENCY ADJUSTMENT (SCAN MODE) 24
8.3. AUTOMATIC FREQUENCY ADJUSTMENT (SEEK MODE) 24
9. DIGITAL CLOCK FUNCTION 25
10. WAKE-UP FUNCTION 26
11. SLEEP FUNCTION 28
12. BACKUP BATTERY COMPARTMENT 29
13. SPECIFICATIONS 30

1. Safety Informations

The lightning flash is a warning sign alerting you of „dangerous voltage“ inside the product.

The exclamation point is a warning sign alerting you of important instructions accompanying the product.

WARNING

To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.

To reduce the risk of fire or electric shock, do not expose this appliance to dripping or splashing liquids.

NOTE

Caution symbols are printed on rear of unit. Please refer to instruction manual.

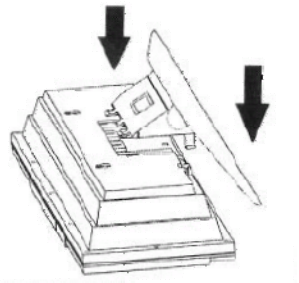
CAUTION

- Grounding or polarization. The precautions should be taken so that the wider blade of the AC plug must match the slot in receptacle “wall socket”.
- Invisible laser radiation when open and interlocks defeated. Avoid exposure to beam.

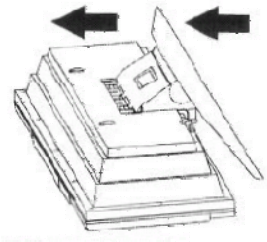
CLASS 1 LASER PRODUCT

2. Fixing from the stand for the main unit

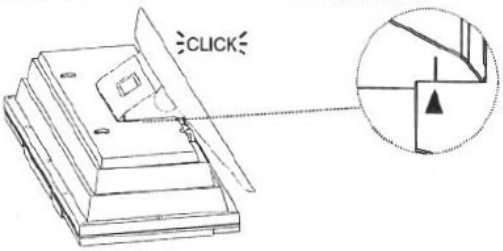
1. Place the stand under the main unit



2. Slide the stand from down to upward.



3. Stop when arrows are aligned. The stand is now locked to main unit.

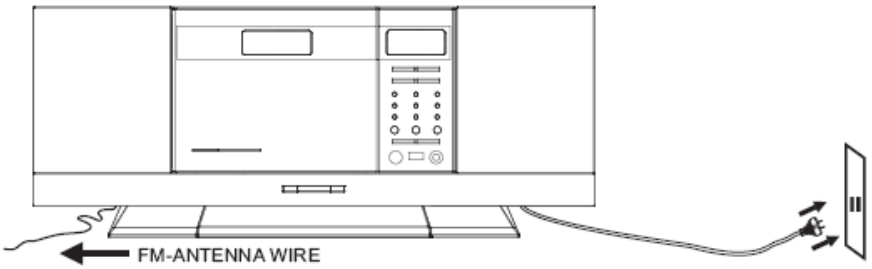


To release the stand from the main unit, slide the stand from downwards (opposite direction) until it becomes released.

3. Quick Start

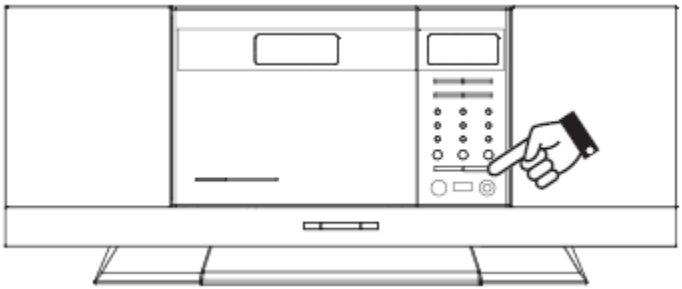
3.1. Connecting

- Connect the speakers and table stands.
- Plug AC-cord into wall socket & unwrap the FM-antenna wire.



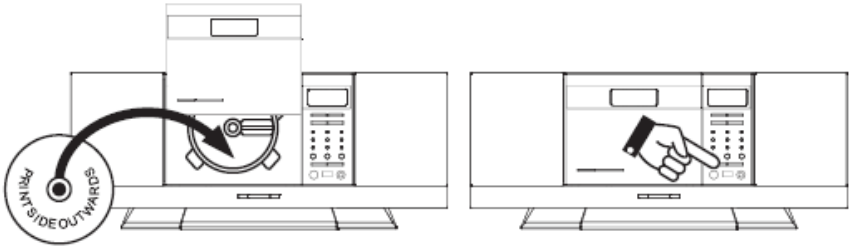
3.2. Listen to CD-player

- Press “ON/OFF” key to switch “ON” the unit!



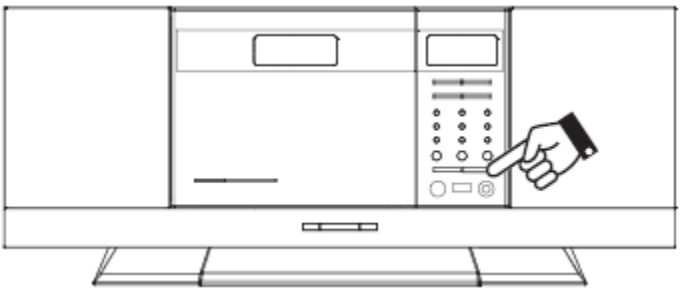
- Press “FUNCTION” key repeatedly until “CD” is displayed.
- Press “OPEN/CLOSE” key.
- To close the CD door, press again “OPEN/CLOSE”.
- Press “PLAY” key to starting CD.

- Adjust volume with “VOL+” or “VOL-“.



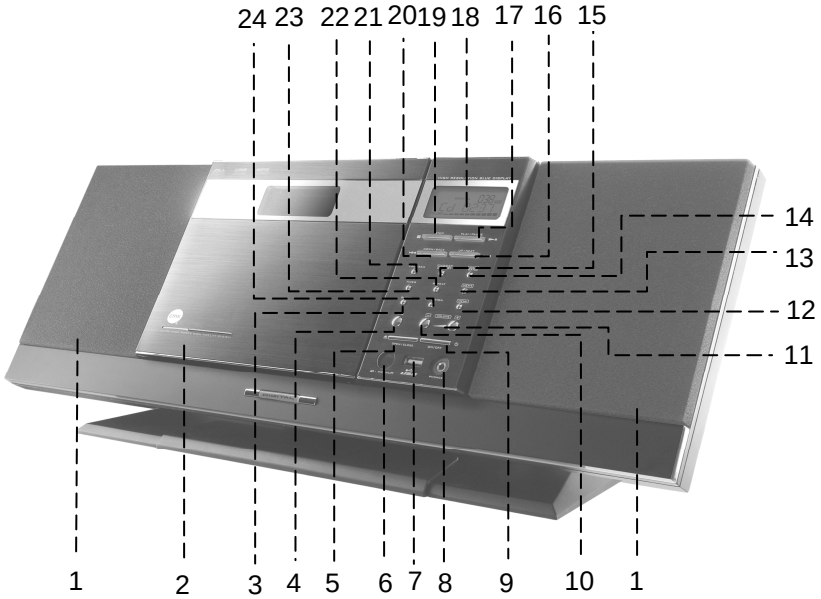
3.3. Listen to radio

- Press “FUNCTION” key repeatedly until “TUNER” is displayed.
- Press “TUNER/BAND” key to switch between “FM” or “AM”.
- Press & release “NEXT” tune radio frequency up (1-step).
- Press & release “BACK” to tune radio frequency down (1-step).
- “Press & hold” “NEXT” for 2 seconds to scan up (to seek next station).
- “Press & hold” “BACK” for 2 seconds to scan down (to seek prev. station).
- Press “ON/OFF” key to switch “OFF” the unit (standby mode)!



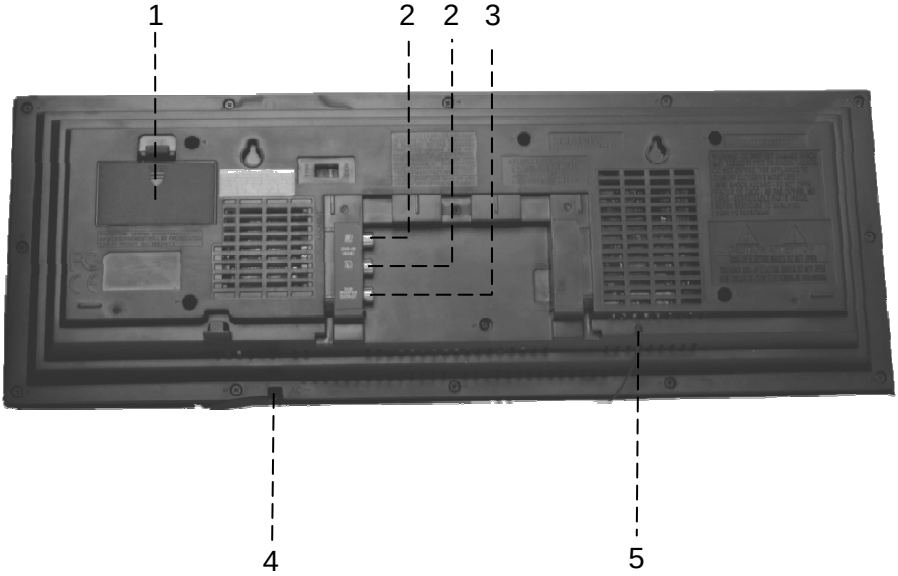
4. Location of controls

4.1. Front side



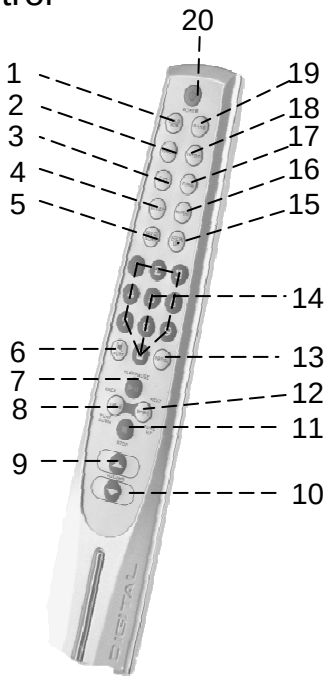
1. Speakers (left / right)
2. CD door
3. “SLEEP“ key
4. “EQ” key
5. “OPEN/CLOSE” key
6. IR sensor
7. USB socket
8. Headphone socket
9. “POWER ON/OFF” key
10. “Volume–“ key
11. “Volume+” key
12. “MEM-“ key
13. “MEM+” key
14. “TUNER/BAND” key
15. “FIND/ESP” display key
16. “CD UP/NEXT” key
17. CD “PLAY/PAUSE” key
18. Display
19. CD “STOP” key
20. CD “DOWN/BACK” key
21. CD “PROGRAM” key
22. CD “REPEAT” key
23. TIMER key
24. CD “FUNCTION” key

4.2. Rear side



1. Battery compartment (Back up)
2. Audio LINE IN socket (DVD/AUX), (L/R)
3. SUBWOOFER ouput
4. AC-cord & plug
5. FM-antenna wire

4.3. Remote control



1. “FIND/ M/S“ key
2. “TIMER “ key
3. “EQ” key
4. “SLEEP“ key
5. “MEMORY DOWN“ key
6. “MUTE“ key
7. CD “PLAY/PAUSE“ key
8. CD “BACK/TUNE DOWN“ key
9. “VOLUME UP“ key
10. “VOLUME DOWN“ key
11. CD “STOP“ key
12. CD “NEXT/TUNE UP“ key
13. “PROGRAM“ key
14. Number keys
15. “MEMORY UP“ key
16. “REPEAT“ key
17. “FUNCTION“ key
18. “INTRO“ key
19. “BAND” key
20. “ON/OFF” key

4.4. Electronic volume control

This unit uses an electronic volume control (push button type).

- To increase or decrease the loudness of unit, press the “VOL+” (volume up) or “VOL-“ (volume down) key respectively.
- Release the key when volume level is at the desired loudness.
- Sometimes, especially during listening to the radio, you may notice a “click-click-click” (repeating) sound when you are increasing or decreasing the volume. This is a normal condition & the sound will disappear when you release the volume key (when you reach the desired volume level).

5. Included in delivery

User’s manual

Warranty card

Remote control

6. Connections

6.1. Power Supply

- This set works on normal household AC-power.
- Make sure the set voltage of unit matches your local voltage.
- Insert the plug of the AC-cord into a wall outlet with AC-power.
- Press the "ON/OFF" key.

How to tell if the unit is "on"

When the unit is "on" the entire digital display will be lit up with a "blue" backlight. This indicates the set is switched "on".

- This unit is designed to operate without ever being totally powered "off". It will either be "on" or "standby mode".
- In standby mode, the blue backlight of the digital display will be switched off but the display will show the current time (clock function).
- When the unit is in standby mode, you can use the "ON/OFF" key (on remote control or on front panel of the main unit) to switch "on".
- To converse electricity, please switch the unit to "standby mode" when not listening to radio or CD.

6.2. AUX input (Audio line in)

You can connect the audio output of an external device such as a MP3 player or DVD-player to this unit, to listen to the sound of that device through the high quality amplifier of this music system.

To connect the external device please use a standard RCA cable to connect the “audio line-out” of the device to the “AUX/DVD audio line-in” RCA jacks (left and right) on the rear panel of this unit (cable is not included).

- With the “FUNCTION” key switch to “AUX”.
- Make sure that the speakers are connected to the main unit.
- Start playback of the external device and adjust the volume control of the main unit to the desired level.
- Remember to switch off the unit when you are finished using the external device.

6.3. Headphone

- To connect the headphones or earphones insert the cable into socket on the rear of main unit (see point 8 – location of controls / front side).

6.4. USB input

This unit is equipped with a USB socket which can accept and play MP3 files stored on standard USB flash drives (also known as “pen drives”).

Which are for memory storage (compatible with USB Version 1.1 & 2.0).

- To utilize this function press the “FUNCTION” key repeatedly until the display shows “CARD-USB” and then insert a USB flash drive into the USB socket.
- Press “NEXT” or “BACK” to skip forward or backwards to select the desired MP3 file on the USB flash memory drive.
- Press “PLAY” to start playback of the selected song.

IMPORTANT

- Always select the “CARD-USB” mode first (using “FUNCTION” key) before inserting a USB flash drive.
- Please note that this unit is only compatible with USB-pen-drivers, but not “USB-MP3-players”. (However, some USB-MP3-player may function with unit properly – please test your USB-MP3-player to see if it works. If not, you can also connect it to this unit through the “AUX-IN” input-jacks from the headphone socket of your USB-MP3-player (you will need a headphone jack-to-RCA type standard audio cable, not included).

6.5. Subwoofer output (external powered subwoofer)

This unit has a built-in subwoofer connection which can be connected to any standard powered subwoofer.

By connecting to a powered subwoofer, the low frequency (bass sound) can be strongly enhanced to provide a much richer and deeper sound to your music.

- To use this facility, simply connect any standard powered subwoofer using the RCA jack on the rear panel of the main unit.
- Switch on the powered subwoofer and play any music source as usual.
- You will immediately notice the deeper sound. This can be further enhanced by switching on the Bass function on the main unit.
- Please note that the speakers should be connected as usual to the main unit, when using a subwoofer.

NOTE

Please note that “passive” (non-powered) subwoofers will not work with this unit.

7. CD player

Press the “FUNCTION” key repeatedly until the display show “CD”.

7.1. Insert and removal of discs

- Press “OPEN/CLOSE” key and place a CD (CD or MP3 CD) onto the center spindle with the label side (printed side of disc) facing upwards. Than press “OPEN/CLOSE” key to close the CD door.
- The CD display will momentarily show the total number of tracks on the disc and the total playback time of the disc.
- To remove a disc, press “OPEN/CLOSE” key. The door will open and allowing the removal of the CD inside.

IMPORTANT

Always hold a CD by it’s edges. Avoid getting any finger-prints, smudges or dirt onto the surface of a disc. In case this happens, use a special CD-cleaning cloth or cleaning kit to remove the dirt or smudges.

7.2. CD and MP3-CD operation

- Insert a CD or MP3-CD as described.
- Once the CD door is closed (with a disc inside) the set will immediately read the disc and the display shows the number from the song (tracks).
- Press the “PLAY” key and the disk will start spinning and than playing the first song (track).
- At anytime during playback, press “PLAY” key to stop the operation of the unit. Press “PLAY” again to resume the operation at the same track and position.

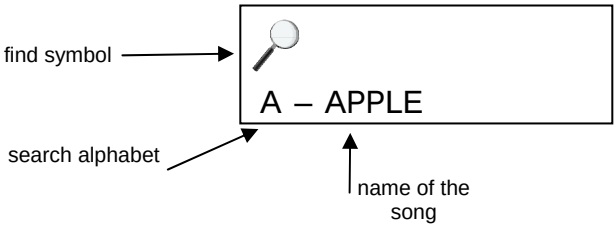
- At anytime during playback, press "STOP" key to stop the operation of the set. This will reset the set to the first track.
- At anytime during playback, "press and release" the "NEXT" or "BACK" key to skip forward or backward by one track, as desired.
- At anytime during playback, "press and hold" the "NEXT" or "BACK" key to fast-forward or fast-reverse the specific track, which is currently playing.

When you have a MP3-CD in the unit, "press and hold" the "FIND" key for 1 second. The display will show the file name (song name) information.

7.3. Finding (searching) songs

- To search for songs press the "FIND" key once.

  The "FIND" symbols will flash in the display and the letter "A" will be shown.
- This is the "search alphabet".
- Press "NEXT" or "BACK"- keys to advance the "search alphabet" (A → B → C → D...) to select the desired search alphabet.
- At every selected "search alphabet" the lower part of the display will show the name of the first song beginning with that selected alphabet, on the disc.



- With any selected alphabet, there might be several songs on the disc (which begin with the same alphabet). To search for

all songs beginning with a particular alphabet, press and hold the “NEXT” or “BACK” key (for 2 seconds) until the “find” stops flashing in the display.

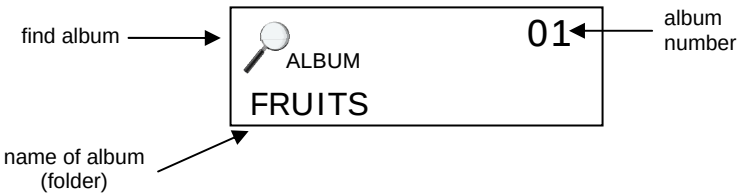
- Once the “find” symbol stops flashing, press the “NEXT” key to display the next song starting with same alphabet. Repeat until desired song is located.
- At anytime, when you have located a desired song (as shown on screen) just press “PLAY” to listen to it.
- To exit the “find” mode press the “FIND” key twice until the “find” symbol disappears from the display.

7.4. Folders on MP3-CD

MP3 files (songs) can be organized into folders when you record them on to a CD-R disc. Each folder is called an “album” and you can organize your albums on a disc so that each album contains songs by a particular artist or alternatively, by a different genre or type.

- To search for songs within a particular album, press the “FIND” key twice when an MP3-CD is playing or stopped.
- The “find & album” symbol will activate in the display, together with the number “1”. This is the “album number” (it indicates the number of the folder on the disc).
- Press “NEXT” or “BACK” key to advance the album number. The name of each album will appear in the lower part of the display for each selected album number.

Example:



- When the desired album name appears on screen, “press and hold” the “NEXT” key (for 2 seconds) until the “album” symbol disappears. This will open the selected album & allows you to display all the songs contained inside that album so that you can select the desired songs by using the “NEXT” key and play it by using the “PLAY” key.

7.5. CD repeat

- At anytime during playback,
  - press the “REPEAT” key to repeat the current track (song).
  - press “REPEAT ALL” to repeat all tracks (full CD).
  - press “REPEAT FOLDER” to repeat all songs from currently selected folder.

The “REPEAT” key is located on the remote control.

7.6. Music equalizer

- Press “EQ” key repeatedly to choose the desired sound effect according to the music you are listening to:
  - ROCK
  - POP
  - JAZZ
  - CLASSIC
  - PASS*

*PASS means that the equalizer is “passed” or “off”.

7.7. Programming

The CD player can be programmed to play any sequence of up to 64 tracks, as desired.

- Always press the "STOP" key before starting the programming.

7.7.1. Programming for regular AUDIO-CD discs

- Press the "PROGRAM" key once, the display will show the memory symbol to indicate that the set is now in "memory programming mode".
- Press the "NEXT" or "BACK" key to select the track (song) number you wish to be stored in the first memory (program) position and press the "PROGRAM" key to confirm your selection.
- Repeat the previous 2 Steps, each time selecting any track number of your choice to be stored in the successive (program) positions.
- After a maximum of 64 songs (or less) have been selected as described above, press "PROGRAM" key the display will now show memory to indicate you have saved a program-memory.
- Press "PLAY" key, the CD player will playback the "saved sequence" in the program memory.
- To clear (cancel) the entire program which is stored in the memory, simply press "STOP" key.

7.7.2. Programming for MP3-CD discs

- Press "NEXT" or "BACK" key to select the album number which contains the song you wish.
- Press "PROGRAM" key (on remote control) to confirm.
- Press "NEXT" or "BACK" key to select the track (song) number you wish to be stored in the current (program) position.

- Press the “PROGRAM” key to confirm.
- Repeat the last steps each time selecting any track (song) number of your choice to be stored in successive program positions.
- After a maximum of 64 songs (or less) have been selected as described, press “PROGRAM” key, the display will now show memory to indicate you have saved a program-memory.
- Press “PLAY” key, the CD-player will playback the “saved sequence” in the program memory.
- To clear (cancel) the entire program which is stored in the memory, simply press “STOP” key. This will reset the memory and clear the program.

7.8. Display mode (ID3 tag)

This unit is capable of displaying the “text information” (ID3 tag) of a MP3 song on the LC display:

- To switch on this function, simply press & hold the “FIND” key for 3 seconds.
- To switch back to normal display mode (to display track number, etc.), press & hold the “FIND” key again for 3 seconds.

8. Radio

Press the “ON/OFF” key once to switch on the unit, than press the “TUNER” key to select the desired radio band.

MW (AM) stations: rotate or reposition the set to improve radio reception.

FM stations: extend and adjust the FM-wire antenna to obtain the best reception.

8.1. Radio memory

At any time, the currently displayed station or frequency can be stored into one of the memory position.

- Press “PROGRAM” key.
- Press “MEM+” or “MEM-“ key to select desired memory position (there are 10 memory positions for AM band and 10 memory positions for FM band).
- Press “PROGRAM” key once to save the selected station into selected memory position.
- To recall any saved memory, simply press “MEM+” or “MEM-“ – the saved radio-band will be recalled.
- To clear the memory of any position, simply save a new station to the same memory position.
- To listen to the saved program, give in the number on the remote control.

8.2. Manual frequency adjustment (scan mode)

- Press (and immediately release) the “NEXT” and “BACK” key to “scan” (manually adjust) the radio frequency “up” and “down” by 1-step at a time.
- The radio digital display will indicate the exact frequency at each step’s position.
- When a desired frequency or station is reached. It can be saved into one of the “memory” positions. (See “radio memory” section).

8.3. Automatic frequency adjustment (seek mode)

- Press and hold (for 2 seconds) the “NEXT” and “BACK“ key to “seek” (automatically adjust) the radio frequency “up” and “down” to the next available radio station.
- The radio digital display will indicate the exact frequency of the next station that is found.
- When a desired frequency or station is reached. It can be saved into one of the “memory” positions. (see “radio memory” section).

9. Digital clock function

The set has a built-in digital clock, which is displayed when the unit is in “standby mode” or when you press & hold “PROGRAM” key for two seconds during CD or radio operation. To set the correct time, follow the procedure:

Switch unit to “standby mode”

(Display light = off)

Press & hold “PROGRAM” key for 3 seconds

Display flash shows 12 or 24 hours flashing

Press “NEXT” or “BACK” key to select 12-hour or 24-hour clock display system & press “PROGRAM” to confirm you selection

Press “NEXT” or “BACK” key repeatedly to set the correct hour in the display and press “PROGRAM” key to confirm.

Press “NEXT” or “BACK” key repeatedly to set the correct minute in the display and press “PROGRAM” key to confirm.

Correct time is now set and will be shown in the display!

10. Wake-up function

This set has a timer function to enable you to program the unit to automatically switch “on” or “off” at preset times. The timer is set up when all steps are finished:

1. Press and hold the “TIMER” key. The “on” symbol and the time 00:00 (flashing) appears in the display.
2. Press “NEXT” or “BACK” key to adjust the hour of the desired “power on” time and then press “TIMER” key to confirm.
3. Press “NEXT” or “BACK” key to adjust the minutes of the desired “power on” time and then press “TIMER” key to confirm.
4. Now the symbol in the display changes to show “off” symbol.
5. Press “NEXT” or “BACK” key to adjust the hour of the desired “power off” time and then press “TIMER” key to confirm.
6. Press “NEXT” or “BACK” key to adjust the minutes of the desired “power off” time and then press “TIMER” key to confirm.
7. Now the display will indicate the “wake up mode” (CD or radio). Press “NEXT” key to choose the desired mode & press “TIMER” key to confirm.
8. The display then shows the “wake-up volume”. Press “NEXT” or “BACK” key to decrease or increase the volume level to be used for the music to be played when the timer switches on the unit at the pre-set time.
9. Press “TIMER” key to confirm. The unit will then automatically display all your settings in sequence (Power ON time, Power OFF time, Power ON mode, Power ON Volume Level).

10. Finally the unit will return to the normal display, except that the symbol “clock” will be shown, to indicate that you have programmed a power on/off alarm setting.
11. In case you wish to disable the timer, press “TIMER” key and the “clock” symbol disappears.

11. Sleep function

This set has a special sleep timer function which can automatically switch off the unit. This is useful for sleeping to music at night.

- At any time while the unit is operating (CD player or radio) press “SLEEP” key repeatedly to choose the automatic power off time:
    1. 90 MINS
    2. 80 MINS
    3. 70 MINS
    4. 60 MINS
    5. 50 MINS
    6. 40 MINS
    7. 30 MINS
    8. 20 MINS
    9. 10 MINS
    10. OFF – deactivated the sleep timer

12. Backup battery compartment

- Open the battery door at the rear of the unit
- Insert 2 pieces of AA-batteries (UM-3/LR6 type) in the battery compartment.

These two batteries are for backup of the “real time clock” and “radio memory preset stations during brief power outages”.

Please observe the correct polarities or the memory will not be properly maintained.

13. Specifications

Formats	Audio-CD / CD-R / CD-RW MP3-CD / MP3-CD-R / MP3-CD-RW MP3 / USB / SD
Connectors	headphone AUX left speaker right speaker USB SD card (MMC compatible)
Radio	AM / FM & FM stereo
Frequency	AM 530 – 1600 kHz FM 87,5 – 108 Mhz
Signal-to-noise ratio	> 90 dB
Speakers	maximum 160 Watt PMPO
Power consumption	15 Watt
Power supply	AC 230 V ~ 50 Hz

- The apparatus should not be exposed to dripping or splashing and no objects filled with liquids should be placed on the apparatus.
- The marking and rating label is located at rear enclosure of the apparatus.

- The mains plug is used as the disconnect device and it shall remain readily operable. To be completely disconnected the power input. The mains plug of the apparatus shall be disconnected from the mains completely. The mains plug should not be obstructed or should be easily accessed during intended use.
- Under the influence of electrostatic phenomenon, the product may malfunction and user to power reset.
- Excessive sound pressure from earphones and headphones can cause hearing loss.

Electrostatic discharge (ESD) Precaution

When electrostatic discharge (ESD) occurs

- at the front surface (whether metal or plastic)
- or near any part
- or any buttons of this unit

there may be a possibility that the product may stop operation and/or shut down immediately.

This is a normal condition and intended to protect the unit and internal components against damage.

In such a case, please reset the unit (by disconnecting and reconnecting AC power source) to revert the unit to normal operation.

CAUTION

Danger of explosion, if battery is incorrectly replaced. Replace only with the same or equivalent type.